



THE DAILY WATCH



Group 4 Project

The DP Year 2 students recently explored Neela Market and Eco Park Lake in Purbachal, conducting a study related to Physics, Biology, Chemistry and ESS. The Group 4 project in the DP curriculum is an interdisciplinary learning engagement where students from the sciences subject group collaborate on a scientific investigation for a selected topic.



DP Year 2 Students conducting their Group 4 Project

DP-2 CAS Activities - Service

Our DP Year 2 students excelled in their CAS service activity by conducting a community clean-up. This hands-on experience not only meets CAS requirements but also teaches students the values of diligence, environmental responsibility, and collaborative engagement. Through teamwork and commitment, the DP Year 2 students transformed public spaces, leaving a positive impact on the environment. This experience leaves a sense of accomplishment, serving as an inspiring example that individual actions drive positive change.



The DP Year 2 Students clean up as part of CAS

York University Visit

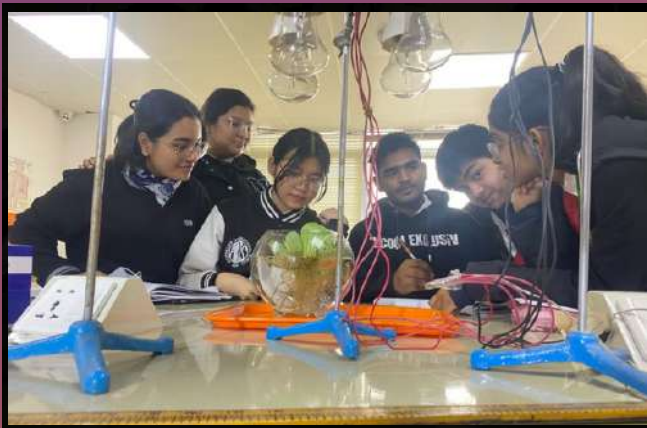
Transitioning to university life is difficult for those who are unprepared, which is why visits from university representatives are crucial for the DP Year 2 students who are on the brink of reaching this milestone. A representative from York University, Canada arrived on campus to provide the students firsthand information about academic programs, admission requirements as well as scholarship opportunities. Students were also able to gain personalised guidance from experts on studies abroad as an international student. This interaction allowed students to gain clarity and make informed decisions about their future academic pursuits.



Students learn about what York University has to offer

DP-1 ESS Lab - Measuring The Productivity of Aquatic Plants

In our recent ESS lab, DP Year 1 students had a hands-on experience measuring the productivity of an aquatic plant. This investigation offered valuable insights into a crucial part of any ecosystem; the efficiency at which energy enters the system, enabling other organisms to survive. The experiment was held in three stages: assimilation, photosynthesis and respiration, measuring the DO (dissolved oxygen) and pH level of water samples taken in order to measure gross and net primary productivity.



Students measuring the Dissolved Oxygen levels in the sample

DP-1 Chemistry Lab - Investigating Changes in Combustion Reaction

In the chemistry lab, students did an investigation to find the empirical formula of magnesium oxide, a controlled combustion reaction was conducted between magnesium and oxygen. Through precise measurements and stoichiometric calculations, the goal was to determine the simplest ratio of magnesium to oxygen, revealing the empirical formula of magnesium oxide. The experiment utilised a crucible and analytical balance, incorporating safety measures, and the findings were summarised in a brief lab report.



Students investigate changes in mass of a combustion reaction to derive the empirical formula of an inorganic compound.

DP-1 Biology Lab - Estimating The Osmolarity of Potatoes & Yeast Catalase Activity

The biology students of DP Year 1 have spent lots of time in the lab conducting interesting experiments related to their syllabus content. An earlier experiment was conducted to estimate the osmolarity of potatoes by cutting uniform potato strips and leaving them in hypotonic, hypertonic and isotonic solutions. The most recent experiment was related to yeast catalase activity, which the students conducted themselves under supervision. The experiment helped solidify the students' understanding of enzymes and catalysts.



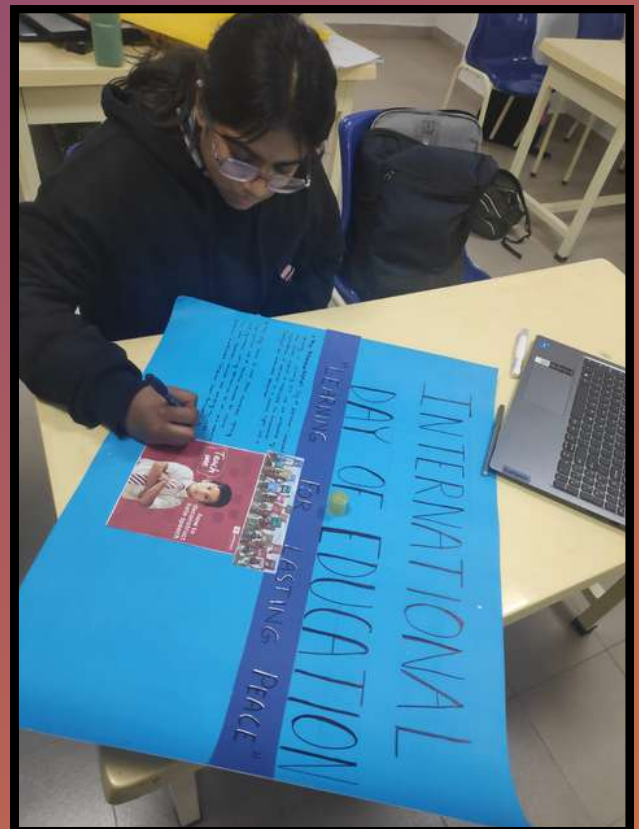
Students cutting potato strips



Squeezing yeast into a dropper

International Day of Education

The UN's annual International Day of Education on January 24th advocates for inclusive, quality education for all and raises awareness of the importance of inclusive, equitable quality education for all and the need to transform education systems globally to empower humanity and build more just, peaceful and sustainable societies. Students of Math AA HL celebrated this day by creating posters and spreading the message.



Students of Math AA HL from DP Year 1 celebrating International Day of Education

Spreading Warmth & Compassion

On the 30th of January, the DP Year 1 students visited Good Neighbours School in Vatara, Gulshan as part of a service trip to distribute winter clothing items which was collected between 25-29 January during the “Winter Clothes Drive” amongst the underprivileged students. Good Neighbors Bangladesh (GNB) was registered as an international non-government organization and commenced its operation in August 1996 for helping children, women and families through education, health services, economic security, protection, community development, sanitation, and disaster relief projects. It was a collaborative effort and was a great experience for the DP-1 students.



DP Year 1 students spreading some warmth and happiness